

# CLUSTAL W (1.82) Multiple Sequence Alignments

Sequence format is Pearson

Sequence 1: Human\_BVR 296 aa

Sequence 2: Rat\_BVR 295 aa

Sequence 3: Mouse\_BVR 295 aa

Sequence 4: Pig\_BVR 296 aa

Start of Pairwise alignments Aligning...

Sequences (1:2) Aligned. Score: 82

Sequences (1:3) Aligned. Score: 81

Sequences (1:4) Aligned. Score: 98

Sequences (2:3) Aligned. Score: 88

Sequences (2:4) Aligned. Score: 83

Sequences (3:4) Aligned. Score: 82

Start of Multiple Alignment

There are 3 groups Aligning...

Group 1: Sequences: 2 Score:6353

Group 2: Sequences: 2 Score:6075

Group 3: Sequences: 4 Score:5825

Alignment Score 9407

## CLUSTAL W (1.82) multiple sequence alignment

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Human_BVR      MNAEPERKFGVVVVGVGRAGSVRMRDLRNPSPSSAFLNLIGFVSRRELGSIDGVQQISLE 60
Pig_BVR        MNAEPERKFGVVVVGVGRAGSVRMRDLRNPSPSSAFLNLIGFVSRRELGSIDGVQQISLE 60
Rat_BVR        MDAEPKRKFGVVVVGVGRAGSVRLRDLKDPR-SAAFLNLIGFVSRRELGSLDEVQRISLE 59
Mouse_BVR      MSTEPKRKFGVVVVGVGRAGSVRIRDSKDPH-SSAFLNLIGYVSRRELGSLDNVRQISLE 59
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Human_BVR      DALSSQEVEVAYICSESSSHEDYIRQFLNAGKHVLEYPMTLSLAAAQELWELAEQKGKV 120
Pig_BVR        DALSSQEVEVAYICSESSSHEDYIRQFLNAGKHVLEYPMTLSLAAAQELWELAEQKGKV 120
Rat_BVR        DALRSQEIDVAYICSESSSHEDYIRQFLQAGKHVLEYPMTLSFAAAQELWELAAQKGRV 119
Mouse_BVR      DALRSQEVDVAYICTESSSHEDYIRQFLQAGKHVLEYPMALSFAAAQELWELAAQKGRV 119
*** **.*:*****.*:*****.*:*****.*:*****.*:*****.*:***

Human_BVR      LHEEHVELLMEEFAFLKKEVVGKDLLKGSLLFSTDPLEEDRFGFPAFSGISRLTWLVSLF 180
Pig_BVR        LHEEHVELLMEEFAFLKKEVVGKDLLKGSLLFSTAGPLEEERFGSPAFSGISRLTWLVSLF 180
Rat_BVR        LHEEHVELLMEEFEFLRREVLGKELLKGSRLFTASPLEEERFGFPAFSGISRLTWLVSLF 179
Mouse_BVR      LHEEHIELLMEEFEFLKREVAGKELLKGSRLFTASPLEEEKFGFPAFSGISRLTWLVSLF 179
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Human_BVR      GELSLVSATLEERKEDQYMKMTVCLETEKKSPLSWIEEKGPGLKRNRYLSFHFKSGSLEN 240
Pig_BVR        GELSLVSATLEERKEDQYMKMTVCLETEKKSPLSWIEEKGPGLKRNRYLSFHFKSGSLEN 240
Rat_BVR        GELSLISATLEERKEDQYMKMTVQLETQNKGLLSWIEEKGPGLKRNRYVNFQFTSGSLEE 239
Mouse_BVR      GELSLISATMENRKEDQYMKMTVQLETQNKSPLSWIEEKGPGLKRNHRHSIHFKSGSLEE 239
*****.*:***.*:*****.*:*****.*:*****.*:*****.*:*****

Human_BVR      VPNVGVNKNIFLKDQNIQVQKLLGQFSEKELAAEKKRILHCLGLAEIQQYCCSRK 296
Pig_BVR        VPNVGVNKNIFLKDQNIQVQKLLGQFSEKELAAEKKRILHCLGLAEIQQYCCSRK 296
Rat_BVR        VPSVGVNKNIFLKDQDIQVQKLLDQVSAEDLAAEKKRIMHCLGLASDIQKLCHQKK 295
Mouse_BVR      VPNVGVNKNIFLKDQDIQVQKLLGQVSAEDLAAEKKRILHCLGLASDIQRLCHRKQ 295
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